

In the Claims:

This present listing of claims replaces all prior versions.

1. (Currently amended) A fusion protein for the alleviation of symptoms associated with multiple sclerosis ~~an autoimmune disorder~~ comprising an immunoglobulin or portion thereof linked to one or more autoantigenic polypeptides or fragments thereof wherein said immunoglobulin or portion thereof is capable of binding to an Fc receptor and being endocytosed by an antigen presenting cell and said one or more autoantigenic polypeptides or fragments thereof is selected from the group consisting of SEQ ID NO:1 and SEQ ID NO:2 ~~provides more than one T-cell receptor peptide agonist~~ for presentation on the surface of said antigen presenting cell upon endocytic processing thereby resulting in downregulation of autoreactive T cells.

2. (Previously presented) The fusion protein of claim 1 wherein the immunoglobulin or portion thereof comprises at least part of a domain of a constant region of an immunoglobulin molecule.

3. (Previously presented) The fusion protein of claim 1 wherein the immunoglobulin or portion thereof comprises a human IgG molecule or portion thereof.

4. (Currently amended) The fusion protein of claim 1 wherein said one or more autoantigenic polypeptides or fragments thereof comprises the amino acid residues of SEQ ID NO:1 and the amino acid residues of SEQ ID NO:2 ~~is associated with an immune disorder selected from the group consisting of multiple sclerosis, lupis, rheumatoid arthritis, scleroderma, insulin-dependent diabetes and ulcerative colitis.~~

5. (Previously presented) The fusion protein of claim 1 wherein said one or more autoantigenic polypeptides or fragments thereof comprises at least a portion of myelin basic protein.

6. (Previously presented) The fusion protein of claim 1 wherein said one or more autoantigenic polypeptides or fragments thereof comprises at least a portion of proteolipid protein.

7. (Previously presented) The fusion protein of claim 1 wherein said one or more autoantigenic polypeptides or fragments thereof comprises at least a portion of myelin basic protein and at least a portion of proteolipid protein.

8.-28. (Canceled)